



ROADS OF SAWDUST.

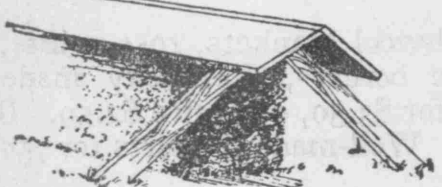
When Properly Constructed, and Then Kept in Repair, They Give Excellent Service.

Any strong, fibrous substance, and especially one which holds moisture, such as the refuse of sugar cane or sorghum and even common straw, flax or swamp grass, is useful in road-making. Spent tanbark is of some service, and wood fiber in any form is excellent. The best is the fibrous sawdust made in sawing shingles by those machines which cut lengthwise of the fiber into the side of the block. Sawdust is first spread on the road from eight to ten inches deep, and this is covered with sand to protect the road against fire lighted from pipes or cigars carelessly thrown or emptied on the roadbed. The sand also keeps the sawdust damp. The dust and sand soon become hard and packed, and the wheels of the heaviest wagons make but little impression upon the service. The roadbed appears to be almost as solid as a plank road, but it is much easier for the teams. The road prepared in this manner will remain good for four or five years and will then require renewing in some parts. The ordinary lumber sawdust would not be so good, of course, but if mixed with planer shavings might serve fairly well.—Boston Transcript.

COVERING A HEDGE.

It Can Be Done Without Much Physical Exertion and at a Very Small Expense.

Winter snows make bad work with the hedges. A cover can be made after the manner shown in the cut that will effectually protect either an evergreen or deciduous hedge. Led the boards



COVER FOR A HEDGE.

be wide, or, if narrow, use two boards on each side, lapping successive lengths of boards to keep them in place. The supports can be narrow strips of board or rough fence stakes, the advantage of using strips of board being the ease with which they can be nailed together at the top.—N. Y. Tribune.

Cheap and Durable Roads.

The problem of a cheap and serviceable country road has been solved in the western part of Cranston. There are about six miles of this road, which was built four years ago. The old country gravel road was the foundation. This was thoroughly picked and softened, and the macadam, consisting of a coarse stone bottom with finer crushed stone and dust on top, was put on and firmly pressed down with a steam roller. Not much grading was done, and no attempts were made at straightening. No care was taken for sidewalks. The cost was estimated at \$1,500 per mile. For a road after four years' use with no repairing or sprinkling, this appears to be remarkably good. The town has its own roller and crusher, and buys stone of its own farmers.—W. E. Stone, in Orange Judd Farmer.

Beautify Your Door Yard.

No one can fail to see that a purchaser would give more for a farm where taste has been displayed around the house and outbuildings than for one equal in acres, location, etc., where no attention has been paid to these things. But, aside from all pecuniary considerations, many reasons are apparent to every intelligent person why this work of house embellishment should be done. It renders home and whatever appertains to it attractive—suggestive of pleasurable thoughts and a sanctuary of hallowed association. This is an inducement sufficiently powerful to lead all thoughtful people to endeavor to render every appearance in accordance with good taste.—Cincinnati Enquirer.

Women Like Nice Horses.

One of the absolute necessities on every well regulated farm is something that the women can drive. Too many farmers have plenty of horses without having anything that the women and children can take out alone with the expectation of getting back the same day. Horses that women can use are too often so old or so slow that it is hard work to get anywhere with them. Provide the women something they can drive. They want to go sometimes when you cannot, and they want to get there when they go.—National Stockman.

Storage for Root Crops.

Beets, turnips and carrots can be kept in bins in the barn or cellar. A layer of carrots and a layer of dry oats or corn, or even of sand, will keep them at an even temperature and prevent sudden freezing and thawing. The same applies to potatoes or other root crops. Cold does not do them as much damage as warmth. It is when they thaw suddenly that they begin to decay. Apples will remain frozen without being impaired in keeping qualities, but they will soon show the effects of thawing. All root crops that are kept just above the freezing point will remain in good condition.

BOXES FOR APPLES.

Tendency Is Toward Small Packages and for This Reason the Barrel Is Doomed.

I am thoroughly convinced that for the better grade of apples the barrel is doomed, states Prof. Bailey, in American Gardening. It will not go out of use this year or next, nor by legislative fiat, but I am convinced that we shall see a gradual increase in the use of boxes. The ordinary kind of apples, as Baldwin and Ben Davis, may perhaps be shipped in barrels to better advantage, at least for the time being; but all good grades of best apples must eventually come to be sold in smaller packages.

The tendency of trade is toward the smaller package. The time is not so very far back when peaches were sold in bulk, but now the finest grades are sold in small baskets, and the buyer takes them home for the dessert. Pears are now sold very largely in kegs or half barrels. In the old days grapes were shipped in barrels in New York state.

The better the fruit, the smaller the package should be, as a rule. One cannot conceive of a customer taking home a barrel of apples under his arm to his wife or his sweetheart.

The temptation to dishonest packing is very much less in the small package. It is impossible for a man to put a bushel of poor apples in the middle of a bushel box. The small package enforces high grading and uniform packing of the product.

It is almost impossible to pack many varieties of apples so snug in a barrel that they will not shake when they reach their destination. This is particularly true if the apples are to be exported.

The small package will tend to induce people to wrap their fruits, especially of the dessert kinds. Wrapping of the fruit not only insures the keeping of it, but it also takes up the slack and prevents shaking. Apples which are well wrapped fill a box more rapidly than those which are not; the box does not contain so much fruit.

I am aware that there are many objections to the use of the box, but nevertheless it is bound to come to the fore for the better qualities of fruit.

MAKING GRAPE JUICE.

When Only Small Quantities of Fruit Are Used Directions Here Given Are Sufficient.

Select choice, sound Concord grapes. If you buy them use none that are broken or moldy. Pick from the stems, wash, place in a colander for the dirty water to drain off, then place in a white enameled preserving kettle. To each ten pounds or six quarts of the stemmed grapes add one quart of cold water. Place over the fire and boil hard for ten minutes, or until the pulp is thoroughly cooked and broken. While the grapes are cooking frequently stir with a wooden spoon. Remove from the fire and express the juice through a cheesecloth bag. Replace over the fire. Add a very scant half pint of granulated sugar to each quart of juice. Remove any scum that arises. When the sugar is dissolved, and the liquid has reached the boiling point, strain through a cheesecloth or jelly bag. Replace over the fire to keep it very hot while bottling. Bottle, cork and seal. Use bottles that have been thoroughly cleansed with water as hot as can be safely used. They should be filled while warm. To prevent them from breaking while filling, place in them a clean wire of sufficient length to extend into the funnel. In using fruit jars instead of bottles, a large spoon is better than a wire. Do not use an iron spoon. Do not allow grape juice to remain in a tin vessel one minute. If the hot juice is strained into a crock, the crock should be previously thoroughly warmed or moderately heated to prevent breaking. Keep in a cool place.—Philo S. Dilworth, in Practical Farmer.

DEVICE FOR MILKING.

It Is an Important Aid to Cleanliness and Can Be Made in Less Than Ten Minutes.

Get a wooden hoop a little smaller than the top of the milkpail. Put a square of cheesecloth over the top of



AID TO CLEANLY MILKING.

the pail and hold it in place by the hoop as shown. This is an aid to cleanly milking and can be made in ten minutes. The cloth should be washed after each milking, when it will be ready for use again. This simple device will do just as well as the tin tops that come ready to be adjusted to the tops of the milkpails, and the homemade affair will cost nothing.—Orange Judd Farmer.

It is said that pasteurized milk for cheese making must have a "starter" added to it to make well-flavored cheese.

Some scientists say that milk will not take on a "cooked" taste till it has been heated to 158 degrees.

SOUTH PACIFIC CHARTS.

Striking Discoveries Made by Fish-Commission Steamer Albatross.

The fish commission steamer Albatross, which returned the other day after 14 months' cruise in the Pacific, made some important discoveries during the voyage. It was found that all the charts of the South Pacific are inaccurate, and that most of the islands, except Fiji and Tahiti, are placed from two to twelve miles away from their actual position. The Albatross also discovered that the temperature of the bottom of the sea at all depths from 500 fathoms to the greatest depths obtainable is the same—35 degrees Fahrenheit. Between the surface and 2,500 fathoms down they found edible shrimp, varying in size from half an inch to a foot in length. The Albatross broke the record for deep sea dredging, dragging the bottom at 4,200 fathoms. The greatest depth ever dragged before was 3,000 fathoms, by the British ship Challenger, in 1876. In the Behring sea the Albatross found at a place where the charts show 2,000 fathoms that the depth is only 200 fathoms.

FASTEST BOAT EVER BUILT.

Launched at Nyack (N. Y.) Ship Yard—Is Expected to Make Over Forty Miles an Hour.

Charles R. Flint's Arrow, under contract to be the fastest ship ever designed, was launched the other day at the ship yard in Nyack, N. Y. It has been built under a guarantee by its designer of 42 miles an hour, and it is expected that under pressure it will be able to make 50. It has been generally given out that the boat was constructed as a yacht for Mr. Flint's personal use, but rumors have been persistent that it was built under contract with one of the South American governments for service as a torpedo boat.

The plans, so far as they have been made public, show the vessel fully equipped for torpedo service.

The Arrow will go in tow to Newark, N. J., where shafting and engines will be put in. The yacht's destination after it has been fitted out at Newark has not been pronounced.

GIRL SCARED TO DEATH.

Practical Jokers Have Fatal Fun with a Manufactured Skeleton.

The authorities of Allegany county are looking for persons who manufactured a skeleton out of bones of domestic animals, which frightened Mary Oldfield, of Kardia, near Rochester, N. Y., to death the other night. Miss Oldfield, accompanied by two friends, was returning from a Halloween party, where they had listened to ghoulish stories until their hair stood on end.

When about to enter the woods a rattling of bones was heard overhead and looking up the trio were overcome with horror to see a skeleton of gigantic proportions sweeping down on them from above. With a cry of terror Mary dropped in her tracks. A searching party found a wire leading from the ground to a tree top to which the skeleton was attached by a pulley.

Pointed Picturesqueness.

A Missouri editor thinks it quite sad to see a young husband supporting a seakins wife on a muskrat salary. For pointed picturesqueness of expression, says the Denver Post, the Missouri rural editor takes the corn pone.

Hope to Get Some of It.

There are good reasons for believing, says the Chicago Times-Herald, that the lawyers all over our broad land are glad the man who stole \$700,000 was caught and will be tried.

MARKET REPORT.

Cincinnati, Nov. 21.	
CATTLE—Common ..	2 25 @ 3 15
Extra butchers ..	4 50 @ 4 65
CALVES—Extra ..	5 00 @ 5 00
HOGS—Choice packers ..	4 80 @ 4 87 1/2
Mixed packers ..	4 65 @ 4 80
SHEEP—Extra ..	3 35 @ 3 50
LAMBS—Extra ..	4 50 @ 4 60
FLOUR—Spring pat. ..	3 90 @ 4 30
WHEAT—No. 2 red ..	@ 76 1/2
CORN—No. 2 mixed ..	@ 37 1/2
OATS—No. 2 mixed ..	@ 23 1/2
RYE—No. 2 ..	@ 53
HAY—Best timothy ..	@ 14 25
PORK—Family ..	@ 12 50
LARD—Steam ..	@ 7 05
BUTTER—Ch. dairy ..	@ 15
Choice creamery ..	@ 28
APPLES—Ch. to fancy ..	2 75 @ 3 00
POTATOES—Per brl. ..	1 35 @ 1 50
TOBACCO—New ..	6 00 @ 7 30
Old ..	11 00 @ 11 75
Chicago.	
FLOUR—Win. patent ..	3 70 @ 3 90
WHEAT—No. 2 red ..	71 @ 73 1/2
No. 3 spring ..	66 @ 72 1/2
CORN—No. 2 ..	@ 42 1/2
OATS—No. 2 ..	@ 22 1/2
RYE ..	@ 46
PORK—Mess ..	10 87 1/2 @ 11 00
LARD—Steam ..	@ 7 15
New York.	
FLOUR—Win. patent ..	3 60 @ 3 90
WHEAT—No. 2 red ..	@ 78 1/2
CORN—No. 2 mixed ..	@ 46 1/2
OATS—No. 2 mixed ..	@ 26 1/4
RYE ..	@ 55
PORK—Family ..	15 50 @ 16 00
LARD—Steam ..	@ 7 67 1/2
Baltimore.	
WHEAT—No. 2 red ..	71 1/4 @ 71 3/4
CORN—No. 2 mixed ..	43 1/2 @ 43 3/4
OATS—No. 2 mixed ..	25 1/2 @ 26
CATTLE—Butchers ..	5 00 @ 5 25
HOGS—Western ..	5 30 @ 5 40
Louisville.	
FLOUR—Win. patent ..	4 25 @ 4 70
WHEAT—No. 2 red ..	@ 75
CORN—Mixed ..	@ 39
OATS—Mixed ..	@ 24 1/2
PORK—Mess ..	@ 12 00
LARD—Steam ..	@ 7 00
Indianapolis.	
WHEAT—No. 2 red ..	@ 72
CORN—No. 2 mixed ..	@ 36
OATS—No. 2 mixed ..	@ 23 1/2

SCHOOLBOY OF THE FUTURE.

After He Has Run the Gauntlet of Prescribed Interrogations He May Begin to Learn.

Teacher (to applicant for admission)—Johnnie, have you got a certificate of vaccination?
 "Yes, sir."
 "Have you been inoculated for croup?"
 "Yes, sir."
 "Had your arm scratched with cholera bacilli?"
 "Yes, sir."
 "Have you a written guarantee that you are proof against whooping cough, measles, mumps and old age?"
 "Yes, sir."
 "Have you your own private drinking cup?"
 "Yes, sir."
 "Do you promise not to exchange sponges with the boy next to you, and never use any but your own pencil?"
 "Yes, sir."
 "Will you agree to have your books fumigated with sulphur and sprinkle your clothes with chloride of lime once a week?"
 "Yes, sir."
 "Johnnie, you have met the first requirements of the modern sanitarian, and may now climb into a seat and forthwith begin to learn."—N. Y. World.

The Oldest Banknote.

This note is in the possession of the Bank of England. It is dated December 10, 1690, and is for 555 pounds, but on account of its age same is made very valuable. One of the oldest and most valuable stomach medicines before the public is Hostetter's Stomach Bitters. For the past fifty years it has been the standard of such remedies for dyspepsia, indigestion, biliousness, nervousness or insomnia. It will effect a cure when faithfully taken.

Comforting Poor Papa.

A well-known business man whose head is bare, yet who wears a luxuriant growth of whiskers, was being rallied recently for being bald by some of his intimate friends in the presence of his small daughter. Little Mabel didn't understand that it was all in jest, and crawling upon her parent's lap put her arms about his neck and turned defiantly toward his tormentors: "My papa w'd never hav' his top hair on his chin, w'dn't you, papa?"—Chicago Chronicle.

\$100 Reward \$100.

The readers of this paper will be pleased to learn that there is at least one divided disease that science has been able to cure in all its stages, and that is Catarrh. Hall's Catarrh Cure is the only positive cure known to the medical fraternity. Catarrh being a constitutional disease, requires a constitutional treatment. Hall's Catarrh Cure is taken internally, acting directly upon the blood and mucous surfaces of the system, thereby destroying the foundation of the disease, and giving the patient strength by building up the constitution and assisting nature in doing its work. The proprietors have so much faith in its curative powers that they offer One Hundred Dollars for any case that it fails to cure. Send for list of testimonials.

Address F. J. Cheney & Co., Toledo, O.
 Sold by Druggists.
 Hall's Family Pills are the best.

Usual Way.

Bobbs—Too bad about Nobbs. Lost all of his furniture because of a false alarm of fire at his house.

Dobbs—But if there was no fire, how could his furniture be destroyed?
 "Well, you see, Nobbs lives in a suburban town where they have a volunteer fire department."—Baltimore American.

He Spent Over \$1,000.

Mr. B. A. L. Thomson, the Atwood building, Chicago, Ill., wrote, August 15, 1900: "I have been troubled for five years with Eczema, went to different watering places and baths and tried many remedies suggested by friends and eminent physicians at a cost of over \$1,000, all of which had done me no good. At the suggestion of a friend I decided to last try to give you a trial, with the result that it has cured me, and I hope this letter may be taken advantage of by some poor unfortunate, knowing it will cure them." Palmer's Lotion has been before the public over 20 years and has effected thousands of cures. If your druggist hasn't it, send to Solon Palmer, 374 Pearl Street, New York, for samples of Palmer's Lotion and Lotion Soap.

Human Refrigerators.

Hoax—Cremation is a thing of the past in the classical precincts of Boston.
 Soax—Because why?
 "Because of the expense. It requires too much heat to reduce a Bostonian to ashes."—Chicago Daily News.

Best for the Bowels.

No matter what ails you, headache to a cancer, you will never get well until your bowels are put right. Cascarets help nature, cure you without a gripe or pain, produce easy natural movements, cost you just 10 cents to start getting your health back. Cascarets Candy Cathartic, the genuine, put up in metal boxes, every tablet has C. C. C. stamped on it. Beware of imitations.

Handicapped.

"Tibbs, I never hear you make any fun of your wife's cooking."
 "Well, no; you see, she belongs to so many cooking clubs that I do a good deal of the home cooking myself."—Indianapolis Journal.

The Census of 1900.

A booklet giving the population of all cities of the United States of 25,000 and over according to the census of 1900, has just been issued by the passenger department of the Chicago, Milwaukee & St. Paul Railway, and a copy of it may be obtained by sending your address, with two-cent stamp to pay postage, to the General Passenger Agent of the Chicago, Milwaukee & St. Paul Railway, Chicago, Ill.

The Reason for It.

He—There are 25,000 more women than men in New York city.
 She—No wonder the New York men are so easy.—Indianapolis Journal.

Excursion Sleepers Via M. K. & T. Ry.
 Weekly Excursion Sleepers leave St. Louis via Katy River (M. K. & T. Ry.) every Tuesday at 8:16 p. m. for San Antonio, Los Angeles and San Francisco.
 Weekly Excursion Sleepers leave Kansas City via the M. K. & T. Ry. every Saturday at 9:05 p. m. for San Antonio, Los Angeles and San Francisco.

"Do you know what I did with my old wagon?" "No." "I sold it for a horse. And now people are just dying to get to ride in it!"—St. Louis Republic.

The Best Prescription For Chills and Fever is a bottle of GROVE'S TASTELESS CHILL TONIC. It is simply iron and quinine in tasteless form. No cure—no pay. Price, 50c.

Having hitched your wagon to a star, keep your eye peeled lest the star run away with your wagon before you have time to climb into the same.—Detroit Journal.

To Cure a Cold in One Day
 Take Laxative Bromo Quinine Tablets. All druggists refund money if it fails to cure, 25c.

"A thief stole all the harness from my stable last night!" "Didn't he leave a trace?"—St. Louis Republic.

Sweat and fruit acids will not discolor goods dyed with PUTNAM FADELESS DYES. Sold by all druggists.

900 DROPS

CASTORIA

Vegetable Preparation for Assimilating the Food and Regulating the Stomach and Bowels of

INFANTS & CHILDREN

Promotes Digestion, Cheerfulness and Rest. Contains neither Opium, Morphine nor Mineral. **NOT NARCOTIC.**

Facsimile Signature of
Chas. H. Fletcher
 NEW YORK.

35 Doses—35 CENTS

EXACT COPY OF WRAPPER.

CASTORIA

For Infants and Children.

The Kind You Have Always Bought

Bears the Signature of

of

In Use

For Over

Thirty Years

CASTORIA

THE CENTAUR COMPANY, NEW YORK CITY

FADED IN HER YOUTH

Pretty faces and graceful forms of young women! Why is it they are so soon replaced by plainness and lankness? It is because the young girl just entering into womanhood does not know how to take care of herself and has no one competent to instruct her. It is not necessary that there should be anything weakening or wearying about the obligations of a female organism. Parents of young girls should inform themselves and prevent their dear ones from making costly errors.



That young woman has a just cause of complaint, who is permitted to believe that great periodic suffering is to be expected, that severe mysterious pains and aches are part of her natural experience as a woman. These things are making constant war on her health, her disposition and her beauty. It is a wretched sacrifice, absolutely unnecessary and cruel. It is more—it is criminal.

Dr. Greene's NERVURA

for the Blood and Nerves

Dr. Greene's Nervura blood and nerve remedy, is the right medicine for every young girl who is just entering the first stage of womanhood. It prepares the system in every way to act normally. It enriches the blood supply, and keeps the nerves calm and steady. Fortified with this great medicine, all the womanly duties may be undertaken and experienced without the slightest jeopardy to health. It preserves the gifts of nature and assists their development into glowing, healthful beauty.

Mrs. MARY FRANCES LITTLE, of 2 Hunter Alley, Rochester, N. Y., says:

"I was very pale and delicate—had no color. I took Dr. Greene's Nervura blood and nerve remedy, and now I am well and strong, my face is plump, and cheeks red, and my complexion pure."

Mrs. WILLIAM BARTELS, 239 East 87th St., New York City, says:

"Dr. Greene's Nervura made a wonderful improvement in my health, and that dark, sallow look left my face. My friends hardly know me. I have gained flesh and am like a different person."

The nervousness in women which invariably comes with pain is of itself certain to stop the development of beauty in face and figure. Excited nerves make sharp lines and hasty speech. The beautiful curves which make women so attractive are not possible when the female organism is out of order, as it surely is when discomfort and pain are always or even periodically present. It is only necessary to look in the faces of young women everywhere to see that this must be so. Else why are they so pale and thin?

GET FREE ADVICE FROM DR. GREENE

Real beauty is rare. It belongs to perfect health. It is possible to every woman who takes the matter in hand intelligently. Get advice from Dr. Greene, the great specialist in these matters. He will tell you why all this is so, and show you how to avoid the stumbling blocks that bar woman's way to happiness. You may consult Dr. Greene without cost by calling or writing to him at his office, 35 West 14th Street, New York City. Don't throw away your beauty. Write to Dr. Greene to-day.

WINGHESTER

FACTORY LOADED SHOTGUN SHELLS

"New Rival," "Leader," and "Repeater"

Insist upon having them, take no others and you will get the best shells that money can buy.

ALL DEALERS KEEP THEM.

Dr. Bull's Cough Syrup

Cures Hacking Coughs, Sore Throat, Grippe, Pneumonia and Bronchitis in a few days. Why then risk Consumption? Get Dr. Bull's Cough Syrup. Don't be imposed upon. Refuse the dealer's substitute. It is not as good as Dr. Bull's. Salvation Oil cures Rheumatism and all Pain. Price, 15 and 25 cents.

A. N. K.—E 1840

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